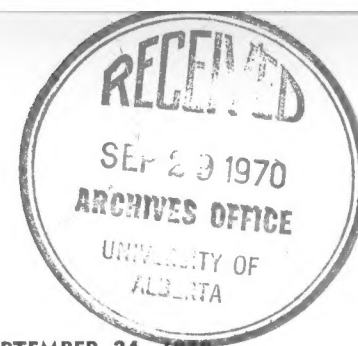


FOLIO



THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON 7, ALBERTA

SEPTEMBER 24, 1970

Enrolment below estimate

The student population this year at The University of Alberta probably will be one thousand fewer than had been expected. Preliminary registration figures indicate that enrolment will be about 18,500, compared to the 19,400 estimated last spring.

At the end of Registration Week, September 8 to 11, 17,722 full-time students were enrolled. (See the accompanying table for a detailed break-down of last year's enrolment, the projected enrolment for 1970-71, and the preliminary registration figures.)

Registrar A. D. CAIRNS expects an additional 800 full-time students to enrol late; by Monday morning, September 21, there were 533 late full-time registrants. The last day for registration was September 23.

From the experience of past years Mr. Cairns expects the enrolment to drop by 150 to 200 by December 1, levelling out to a full-time student population of about 18,500. Last year's enrolment was 17,340.

In addition, 930 part-time students enrolled during Registration Week, more than one third of whom were graduate students. By Monday morning this number had increased to 1,036; last year there were only 897. The estimate, which was made for purposes of determining the University's budget, took only full-time students into account, though a partial grant is given for each part-time student.

The University of Alberta is not unique in its problem of unmet enrolment estimates. Although details are not available, spokesmen for other universities in Saskatchewan, Alberta, and British Columbia indicated that each had registered fewer students than had been expected.

"At present," said Mr. Cairns, "one may only speculate on why university enrolments in western Canada generally have fallen below estimates." High among possible reasons are the economic situation and the tight job market. He suggested that fewer graduate students seemed to be returning to do further qualifying years of study and that third year education students apparently were accepting teaching positions while they were available and not returning to complete their degrees.

President MAX WYMAN has requested that Institutional Research contact all persons who had been admitted to the University and who had not registered in an effort to determine the reasons for the lower enrolment. These reasons, he said, could have considerable bearing on university planning for the future.

A more pressing concern, however, is financial, turning on the government grant per student (\$2,634) on which the University's budget is based. President Wyman felt it would be premature to comment further until firmer enrolment figures are in hand.

GENERAL FACULTIES COUNCIL

General Faculties Council Executive Committee minutes are provided through JOHN NICOL, Secretary to the Council.

The following matters were considered by the Executive Committee at its meeting on September 14.

CAMPUS SECURITY SERVICES

The original Report of the *Ad Hoc* Committee on Campus Security Services was considered by the Executive Committee of General Faculties Council early in May of this year. It was then referred back to the *Ad Hoc* Committee with the request that specific policies be prepared. A Revised Report was submitted and was before

ENROLMENT OF FULL-TIME STUDENTS AT THE UNIVERSITY OF ALBERTA

Faculty or School	1969-70	1970-71	
	Actual enrolment, December 1, 1969	Projection for December 1, 1970, made in July, 1970	Actual enrolment, Registration Week, September, 1970
Agriculture	376	406	414
Arts	3,099	3,515	3,011
Business Administration and Commerce	1,089	1,275	1,096
Dental Hygiene	46	50	48
Dentistry	193	200	195
Education	4,070	4,365	4,165
Engineering	1,331	1,513	1,382
Household Economics	330	345	322
Law	307	360	359
Library Science	40	45	*
Medical Laboratory Science	84	97	81
Medicine	584	615	420
Nursing	346	375	246
Pharmacy and Pharmaceutical Sciences	275	290	302
Physical Education	494	619	592
Rehabilitation Medicine	173	205	206
Science	2,417	2,875	2,816
Undergraduates	15,254	17,150	15,655
Graduate Studies	2,086	2,250	2,067
Total	17,340	19,400	17,722

* Students in Library Science register late.

the Executive Committee at the meeting on September 14.

The Executive Committee has agreed that the *Ad Hoc* Committee be asked to provide a Final Report which would combine the valid parts of the original report with the Revised Report and that this Final Report be published prior to placing the item on the agenda of a special meeting of General Faculties Council for open debate.

DIVIDED YEAR SYSTEM

In March, 1968, the *Ad Hoc* Committee on the Divided Year System was established to reconsider the introduction of a semester system. An interim report was submitted in December, 1968, which recommended that

a research team be established to investigate the various factors involved and subsequently the Office of Institutional Research and Planning undertook the necessary research.

On September 14, 1970, the Executive Committee had before it five volumes of special studies prepared by Institutional Research and Planning and the Report of the *Ad Hoc* Committee. It was agreed that the report, together with the amendment suggested by the Executive Committee, should be circulated to all deans and directors and published in FOLIO in order to provide opportunity for discussion before debate in General Faculties Council.

This report and amendment appear below.

for some questions we have raised; for others the studies appended have provided useful information.

FACULTY OPINION

Analysis of the results of a questionnaire distributed to selected staff at The University of Alberta indicates that about one third clearly support adopting a semester system. About one tenth would prefer to retain the year system, and about half see merits in both systems. As noted in the report the principal opposition to the semester system comes from members of the Faculties of Arts, Science, and Law. Strong support comes from the members of the Faculties of Agriculture, Business Administration and Commerce, Education, Engineering, Medicine, and Physical Education and the School of Household Economics.

Those who oppose the adoption of a semester system do so on the following general grounds:

1. They believe that our present system gives enough flexibility for half-year courses to be used where these are appropriate, but they visualize the basic unit of instruction as being the same length as the academic year. Such a length is regarded as being academically more suitable for their disciplines, avoiding, for example, some of the choppiness that affects the offerings of many American institutions.
2. They are concerned about the added costs and complications that might result from allowing registration at the start of the second semester. This could result in a relatively small group of students who were always one semester out of phase with the rest of the student body, and this could be very expensive.
3. They consider that the present system allows the most efficient use of staff and courses.

The reasons that many support the adoption of a semester system include:

1. Students and department would have greater flexibility in establishing programs of study. More half-year courses, particularly service courses, would allow a more efficient programming of their courses, especially in regard to such things as gaining students a wider range of offerings, fitting in options and arranging for practice teaching in the Faculty of Education. If more time is required for a comprehensive treatment, courses may be arranged in two-semester instructional sequences given in consecutive semesters.
2. A university-wide semester system would allow a closer integration of their

Semester system proposed

The following report will be considered at an early meeting of the General Faculties Council, and is published here at the request of the Council's Executive Committee.

INTRODUCTION

On March 25, 1968, the General Faculties Council *Ad Hoc* Committee on the Divided Year System was established to reconsider the introduction of a semester system.

In December, 1968, the interim report recommended that a research team be established to investigate the various factors involved. Subsequently, the Office of Institutional Research and Planning was asked to undertake the necessary research. N. MEHRA, Research Assistant in Institutional Research, was appointed in charge of the project. As addenda to this report are five volumes of

special studies on selected topics which were prepared by Dr. Mehra for the Committee. They are:

1. The Implications of Introducing the Semester System at The University of Alberta—a Proposed Study.
2. A Summary Report: Questionnaire 1. The Divided Year Study. (This report deals with experience with the semester system at other Canadian universities.)
3. Employment Conditions for Students.
4. A Comparison of the Fall Semester Freshman with the Spring Semester Freshman—Based on The University of Lethbridge Freshman Enrolment, 1968-69.
5. Faculty Opinion—re: introduction of semester system.

The Committee wishes to thank Dr. Mehra and the Office of Institutional Research for their efforts in preparing these studies.

PRELIMINARY AGREEMENTS

1. The Committee has used as a working definition for the semester system the following: an academic year divided into two equal parts, with admission to the University at the beginning of each part, and with the unit of instruction a course the length of one part.
2. The Committee agreed that a system that lengthened appreciably the present academic year would not be acceptable.
3. The Committee agreed that academic considerations would be paramount, but that other factors would have to be studied and, if necessary, given weight in coming to a recommendation.
4. The Committee agreed that as full a study as possible would be made of various aspects. We have found no data available

FOLIO

THE UNIVERSITY OF ALBERTA, EDMONTON 7, ALBERTA

Published for the staff and other interested persons by the University Publications Office. Copyright 1970.

William Samis, Editor

Advisory Committee: E. D. Hodgson (Acting Associate Dean of Graduate Studies), J. W. Carmichael (Professor of Bacteriology), Aylmer A. Ryan (Provost and Executive Assistant to the President)

Staff: Jeanette Rothrock (Assistant Editor), Forrest Bard, Norma Gutteridge, Frank Hale

EDITORIAL OFFICE: University Publications Office, 123 Administration Building, telephone 432-4991

DISTRIBUTION and mailing list enquiries: Public Relations Office (Attention: Mrs. B. J. Lucroix), telephone 432-4201

Printed by the Printing Department
Photographic lab work by Technical Services

*Dr. Allen
Mr. Unger*



programs with the rest of the university, particularly if more one-term courses open to all would be made available under the system.

3. Students would have invested half as much time in courses on programs in which the material was not what was expected and did not interest the student, or in which he was performing poorly, or in which the instruction was inadequate.
4. A semester system allows more flexibility in arranging teaching loads and staff leaves.

STUDENT OPINION

The Students' Union supports the semester system on the grounds that it offers the students more flexibility in arranging their course programs.

THE HIGH SCHOOLS

An increasing number of high schools are using various forms of the semester system. A second registration period might make it possible for students graduating from high school at the end of the fall semester to start their university education without undue delay.

The feasibility of a second registration depends on a number of factors, especially the following:

Calendars

The most significant types of semester calendars used in high schools are briefly described in Appendix "A." At present the most popular type does not have its term breaks fitting ours. It would be fair to say, however, that should the university introduce a semester system, the high schools would be encouraged to introduce a semester calendar that would synchronize with the university's schedule.

Some doubt has been expressed whether any span of time so far envisaged between the end of the schools' first term and the beginning of the university's second term would allow sufficiently for the process of grading, recording and admitting matriculants to the university. On the other hand, the proposed abandonment of the matriculation examinations and the increasing numbers of accredited high schools may render this objection nugatory.

Quality of students who could enter in January

The question was raised whether possible January entrants to university might be, by and large, inferior to September entrants (being repeaters, or short a course, or the like). Study 4, as appended "A Comparison of Fall Semester Freshmen with Spring Semester Freshmen," makes it quite clear that there is little variation in academic quality between September and January entrants

APPOINTMENTS

ASSOCIATE VICE-PRESIDENT (ACADEMIC) APPOINTED

WILLARD F. ALLEN, Associate Professor of Chemistry, has been appointed Associate Vice-President (Academic) by the Board of Governors. His appointment becomes effective January 1, 1970. Dr. Allen will aid and be responsible to HENRY KREISEL, Vice-President (Academic).

The Vice-President (Academic) is chairman of eight University committees and also a member of ten others, as well as a participant in meetings of the Board of Governors. He also has responsibility for the twelve faculties and five schools, the libraries, and many service and administrative departments.

Dr. Allen, a native of London, Ontario, has degrees from the University of Western Ontario and the University of Toronto.

at The University of Lethbridge. We infer that the same would be true for any January entrants at Alberta.

Number of students available to enter in January

1. No forecasts have been made by the Department of Education on the numbers of December (or January) graduates from Alberta high schools. The approval of semester programs did not entail such considerations.
2. The Committee, in light of American experience, assumes that the great majority of students (80 to 85 per cent) will proceed normally to ultimate graduation in June. A minority (15 to 20 per cent) will graduate in December (or January). Of these in turn only a proportion (perhaps 40 per cent) would enter university in January if given the opportunity. To these could be added a small number of June graduates who might defer entrance until January.
3. For planning purposes the Committee estimates that by the end of five or six years a maximum of 500 to 800 students would be ready and willing to enter all Alberta universities in January from all Alberta high schools, that is, if all calendars fitted appropriately. Only a proportion of these would come to The University of Alberta (depending on how many other universities admitted at the beginning of their second term).
4. The committee is, therefore, doubtful whether such numbers as we foresee would justify opening a January entry.

Junior colleges

We have no information available concerning January entrance from high schools

He joined The University of Alberta staff in 1948 in Calgary, where he taught chemistry until coming to Edmonton in 1957. He has been President of the AASUA, of the Canadian Association of University Teachers, and has worked in developing new high school curricula.

SECRETARY TO THE AASUA

GORDON UNGER, formerly of Regina, Saskatchewan, has been appointed Executive Secretary of the Association of the Academic Staff.

into junior colleges and no information concerning any plan that the junior colleges may have about any calendar changes. It is conceivable that some students might transfer from junior college to the university at the commencement of the second term but we have no evidence.

Cost and space considerations

As Report 2 makes quite clear, the universities in Canada that are using a semester (or trimester) system have useful information on these aspects:

1. Unless there is a significantly large group enrolling in January, there will be additional instructional costs, as Lethbridge and Simon Fraser University testify, as much as 10 per cent, or even more.
2. The problem of phasing January students into the mainstream could be costly, as noted above.
3. Administrative costs, for the Registrar's Office, Deans' Offices, and so forth, will increase anywhere from 10 to 25 per cent, though if more students per year can be graduated, this may be justified.
4. Additional space will be required. If the January entry is of a nature whereby class sizes are not equivalent to September class sizes, this will be expensive space.
5. Only full year-round operation has the potential for increasing enrolment capacity without increasing significantly physical size. But such operation, as the testimony of Simon Fraser University makes clear, could have very high operating costs, though if more students are graduated, this may be justified.
6. Faculty costs.
(a) As indicated above, instructional costs will rise unless a significantly large

group enrolls in January.

(b) The faculty, as well as the administrative offices, will have to spend more time on student counselling than at present.

(c) On the other hand, it appears that a minimal or no increase in staff would need to be envisaged.

7. It should be emphasized that one of the most significant sources of increased costs would arise from allowing entrance to the university at the start of the second semester.

UNIVERSITY CALENDAR CONSIDERATIONS

1. Our present academic year is shorter than the American for two main reasons:
 - (a) We do not allot as much space to various holidays and the mid-year break as do most American universities.
 - (b) Each of our terms average one or two weeks shorter than the common length of the American semester. A given three-hour lecture course at Alberta will meet 37 to 39 times a term; an American three-hour course 40 to 43 times a semester.
2. We did not regard this difference in term length as being important, in our deliberations.
3. The Registrar assures us that any necessary recording and releasing of marks could be done in a span the length of our present term breaks, *provided that examination returns were sent in promptly.*

*Here is Vancouver's
DEBBIE BRILL bending
over backwards 5 feet
8½ inches up at the
Canada Sweden Track
Meet held here
September 15 and 16.
Debbie's unusual style,
called the Fosberry flop,
won her the women's
high jump event at the
meet.*



STUDENT EMPLOYMENT

Report 3 "Employment Conditions for Students" makes clear three facts:

1. Changing the end of the academic year from its present position to a later date, for example, from May 1 to June 1, would have no effect whatsoever on the hiring of graduates for permanent positions.
2. That the peak demand for temporary job vacancies falls between May 10 and August 20.
3. Any extensive change, such as moving the end of the academic year beyond May 15, would put undergraduates seeking temporary employment at a disadvantage vis-à-vis those from other Canadian universities, a matter of considerable concern.

EXPERIENCE OF OTHER UNIVERSITIES

Universities in Canada that are employing the semester system, as discussed in Report 2, seem pleased with it, generally; Guelph, however, recommends strongly that any January entrants be given a special summer class to bring them up to the September entrants in level; otherwise there arises a serious problem of phasing in the January entrants in the upper years.

RECOMMENDATIONS

1. That all faculties and schools be requested to organize their course offerings as half-year courses, within two years of

the adoption of this report by General Faculties Council.

2. That the University continue its present admission policies of normally admitting only in September, but allowing admission at the beginning of the second term for a student, if a suitable program of study is available.
3. That the University continue its present policy of having a single registration for all students in September, with the exception that there be a registration at the beginning of the second term for those wishing to change their programs and for new entrants, if any.
4. That a system be implemented whereby students receive their first term grades prior to the start of the second term.
5. That the University continue with its present academic schedule.
6. That, if this system is adopted, the need for supplementals be re-examined.
7. That the committee be discharged, and that any future deliberations on such matters be entrusted to the Academic Development Committee.

DIVIDED YEAR COMMITTEE

Chairman of the *Ad Hoc* Committee on the Divided Year System is R. J. BUCK, Professor and Chairman of Classics. Other committee members are: F. D. COOK, Professor of Soil Science; K. B. NEWBOUND, Professor of Physics and Associate Dean of Science; W. PILKINGTON, Associate Dean of Education; D. M. COLLINSON, Professor of Dentistry; R. T. COUTTS, Professor of Pharmacy and Pharmaceutical Sciences; E. W. S. KANE, Associate Professor and Secretary of the Faculty of Law; M. L. HOWELL, Professor of Physical Education; F. D. OTTO, Professor of Chemical Engineering; E. S. SHIHADAH, Associate Professor of Business Policies; A. MAC KINNON, Assistant Professor of Nursing; E. CROWN, Lecturer in Household Economics; M. PARKER, Assistant Professor of Rehabilitation Medicine; and RISKEE THAKUR, student representative.

PROPOSED AMENDMENT

The Executive Committee of the General Faculties Council has proposed that the report be amended as follows:

In Recommendation 1, the words "much of" be inserted between "organize" and "their" and the words "within two years" be deleted and replaced by "as soon as possible after" causing the clause to read: "That all faculties and schools be requested to organize much of their course offerings as half-year courses as soon as possible after the adoption of this Report by General Faculties Council."



J. B. TAYLOR

J. B. TAYLOR, Associate Professor of Art, died Tuesday morning, September 15. He was 53 years of age.

Professor Taylor was born in Charlottetown, Prince Edward Island, and studied at the Art Students' League in New York.

During the Second World War, he served in the RCAF. He arranged three one-man shows for the RCAF representing allied aircraft in use during the war; these collections were exhibited across Canada and the eastern United States.

Professor Taylor devoted much of his time to community art classes and workshops throughout Alberta and the Northwest

Territories, and to teaching at the Banff School of Fine Arts.

His work has been displayed at dozens of one man shows, the most memorable being at the Prince Edward Island Centennial in Charlottetown in 1964. In addition he has exhibited widely with the Royal Canadian Society, the Canadian Society of Painters in Water Color, the Montreal Museum of Fine Arts, the Western Canada Art Circuit, and the Maritime Art Society.

In 1966-67 Professor Taylor served as Acting Chairman of the Department of Art. He was a past president of the Alberta Society of Education through Art and a member of the Provincial Arts Board of the Government of Alberta.

ISOBEL NOBLE

ISOBEL NOBLE, the first woman to sit on the Board of Governors of The University of Alberta, died in Wichita, Kansas, on Tuesday, September 15. She was 97 years of age.

Miss Noble was a native of Illinois and a graduate of Illinois State University in 1896. In 1908 she joined her brother, TOM

NOBLE, on a ranch in Alberta.

During her 22 years in Canada, not only was she a member of the Board of Governors, but she organized the Women's Farm Institute, an international club of farm women. She served as President of the Institute for eight years.

In the 1930's she returned to Kansas where she made her home, though she continued to travel and lecture around the world.

VISITORS

■ GEORGE C. PIMENTEL, Professor of Chemistry, University of Berkeley, was guest speaker for the Boomer Memorial Lectures in Chemistry, September 14 through 18. He gave five lectures throughout the week, the first two dealing with laser action produced by chemical reaction, the third and fourth dealing with the structure of molecules and ions containing hydrogen bonds, and the fifth with his own contributions to the exploration of Mars and the United States' Mariner space program.

PEOPLE

■ J. R. ROYCE, Director of the Centre for Advanced Study in Theoretical Psychology, attended a convention of the American Psychological Association in Miami Beach, September 3 to 8. He gave the presidential address to the Philosophical Psychology Division of the APA, a paper entitled "Cognition and Knowledge." At the same convention he delivered an address to the Comparative and Physiological Psychology Division of the APA on the topic "Multivariate Experiments in Behavior Genetics."

■ J. JAMESON BOND, Director of the Boreal Institute, presented a paper entitled "Contemporary Canadian Arctic Communities: Aspects of Change in Leadership" at the Twenty-first Alaska Science Conference, which was held at the University of Alaska from August 16 to 19. He was Chairman for a session on "Change in the North."

■ MICHAEL J. BALL, Director of the Student Health Services, attended the annual meeting of the Canadian College Health Services Association held this summer in Montreal, where he was elected Vice-President; and the annual meeting of Family Planning Federation of Canada, held in Winnipeg, where he was re-elected Secretary of the Medical Committee.

■ WILLIAM J. HAGUE, Assistant Professor of Educational Psychology, was an invited participant in a symposium on "The Development, Modification, and Influence of Value Systems," at Miami Beach.

■ L. C. GREEN, Professor of Political Science, recently participated in the Symposium on "International Legal Aspects of Pollution Control" organized by the Legal Division, Department of External Affairs, International Law Association and the Faculty of Law, University of British Columbia in Vancouver.

Professor Green recently published a book, *International Law Through the Cases*, in third edition (London: Stevens, N.Y.; Oceana).

■ CLAUDE KENNESON, Associate Professor of Music and (continued on page nine)

Humanities and social sciences library

Plans for the new humanities and social sciences library, Rutherford Library II, were given preliminary approval by the Board of Governors Building Committee at its September 4 meeting. Pending final approval of the plans by the Universities Commission and the provincial government's Capital Development Committee, tenders will be called and construction begun this winter. The new library should be ready for occupancy in mid-1972.

Its name notwithstanding, Rutherford Library II is considerably more than an annex to the present Rutherford Library. The new library will be the first part of an overall library development plan. In the future two more stages will be added, expanding stacks and reader areas still further and providing a link between the Rutherford Library and the Cameron Library.

The new library will be connected to the north end of the present Rutherford Library by an enclosed, skylighted galleria. The

galleria will serve as an entry to both buildings and a part of the pedestrian walkway system outlined in the Diamond Myers Long Range Development Plan. All along the pedestrian area in the galleria there will be student rest areas, display areas, kiosks, and the like. Like the Humanities Centre, the Rutherford Libraries will be connected with the Students' Union housing project on 112 Street.

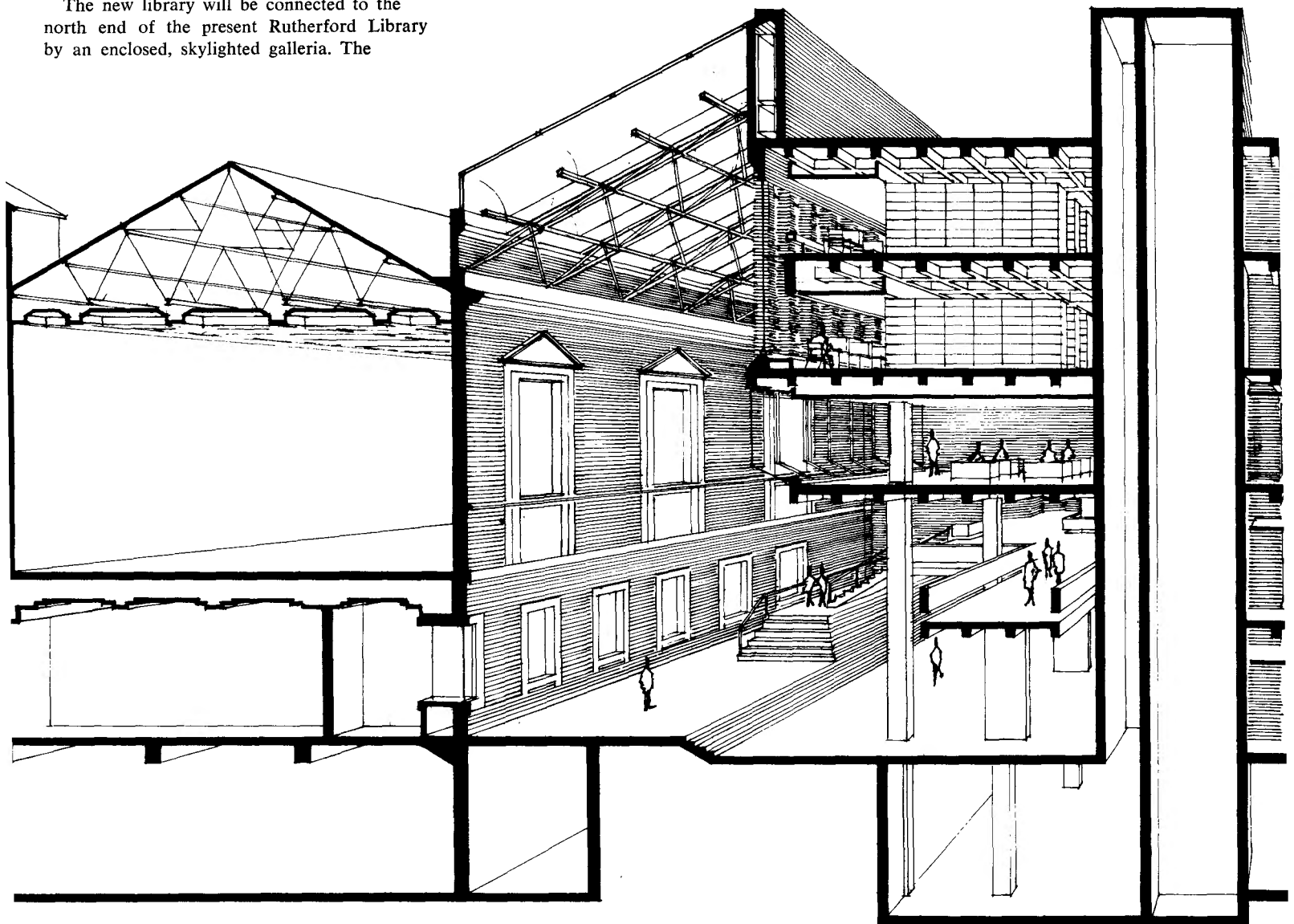
Stacks and reader areas for the humanities and social sciences collections will occupy three-quarters of the space in the new building. Catalogue, circulation, and reference departments will be housed on the second level. The periodicals department will be

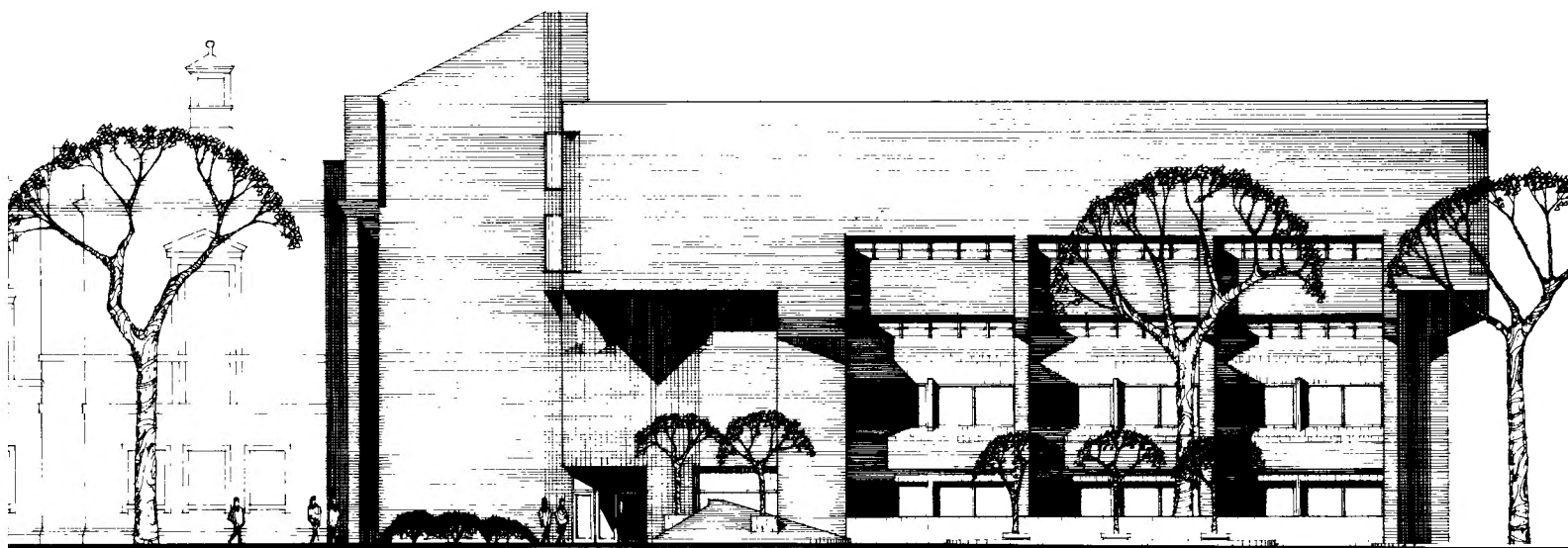
located on the south end of the third level, overhanging the galleria.

An important consideration in the planning of Rutherford Library II has been to retain the spirit of the Arts quad. The facades, height, and building materials have been designed to blend with the neoclassical Arts Building, the present Rutherford Library, and the proposed Students' Union housing. The dominant material will be brick, to match the brick in the older buildings. Facings will be precast concrete, the color and texture of which will match the stonework of the Rutherford Library and the Arts Building.

The new library will provide 100,110 square feet of net space at an estimated cost of \$3,245,000.

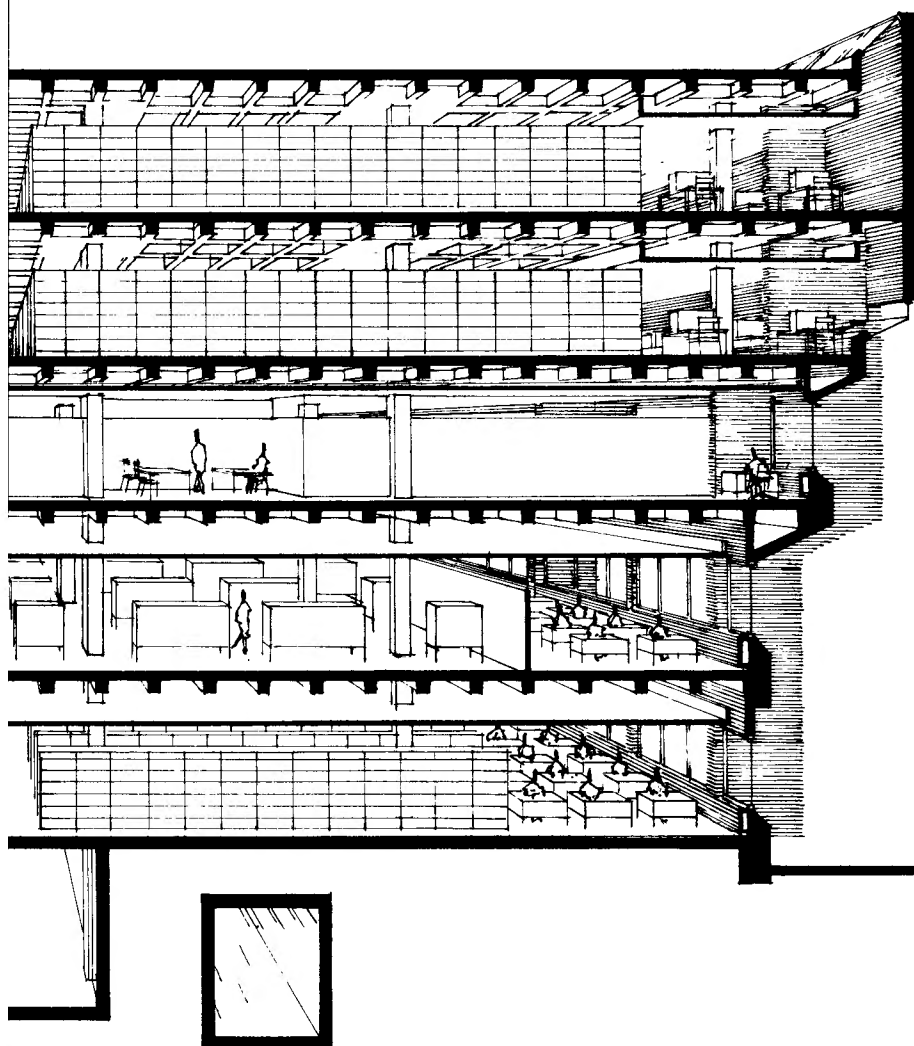
J. R. VAITKUNAS of Minsos Vaitkunas Jamieson Architects is prime consultant for the project.





ABOVE, the new library seen from the east; the same view is shown in the cut-away drawing below. When the Rutherford Library was finished in 1951, its book capacity was 250,000 volumes; this was thought to be more than adequate for the next twenty years. Then the University's collection began to mushroom, and within eight years serious thought was given to twinning Rutherford. Instead the D. E. Cameron Library was built in 1963; then, last year, an extension was added to its north side, and still the library buildings cannot keep pace with the influx of books. Now the collection is well past one million volumes and

is expected to more than double its size within this decade. The proposed new Rutherford Library II to house the humanities and social sciences collections will be attached to the north end of the present library and will blend in style with the modified English renaissance of its parent building. The present Rutherford Library, complete with furnishings, cost \$2,000,000 and provides 83,509 square feet of space; the proposed new library will cost an estimated \$3,245,000 and will provide 100,110 square feet of space.



LEFT, a section view of the new library, looking east. The present Rutherford Library is at far left, and beside it the skylighted galleria. The upper three storeys of the new library will overlook the galleria.

Level five: book stacks and carpeted reader areas.

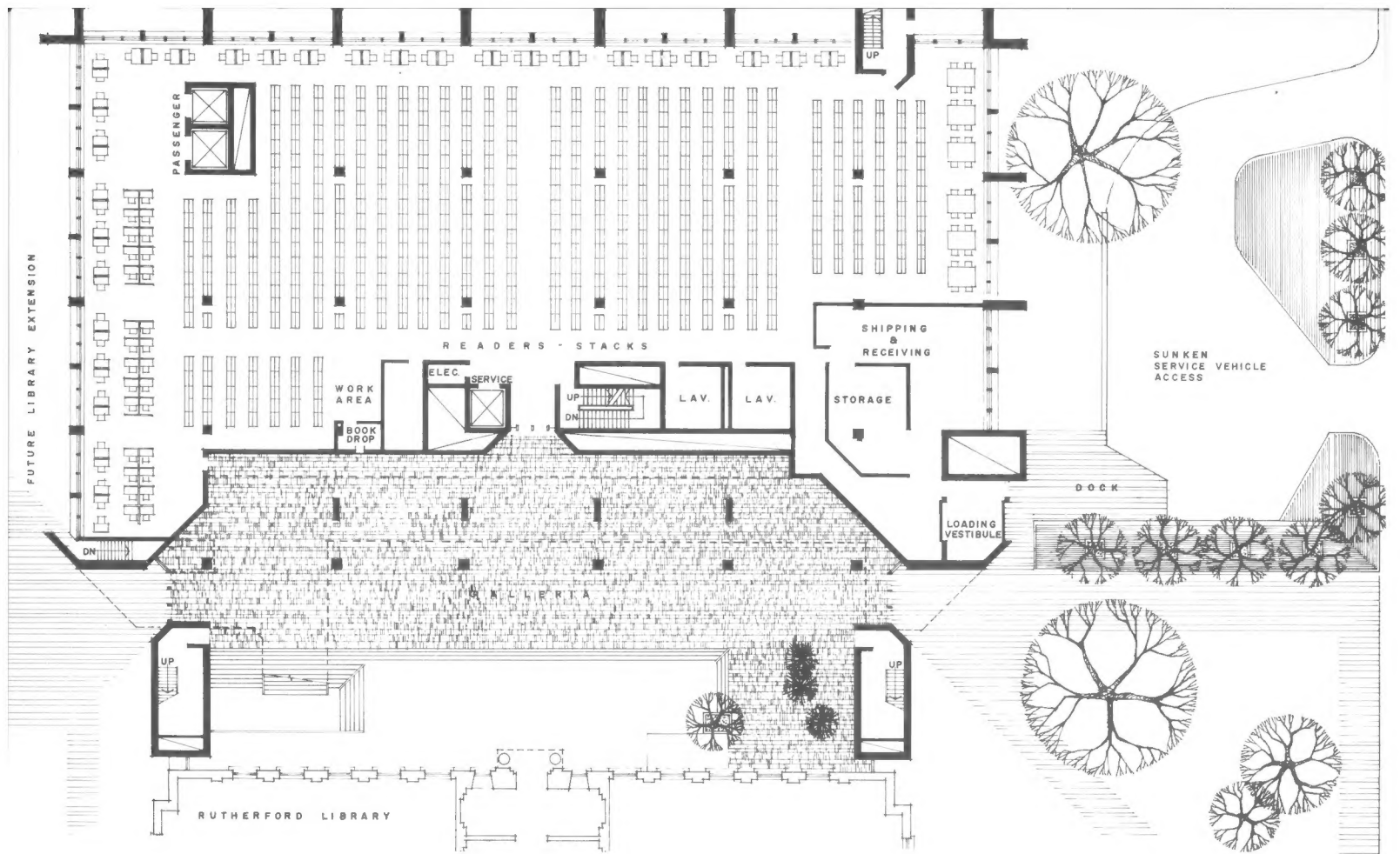
Level four, like level five, reader areas and stacks.

Level three: reader areas and stacks, and (at the south end) the periodicals department.

Level two: circulation, catalogue, and reference areas.

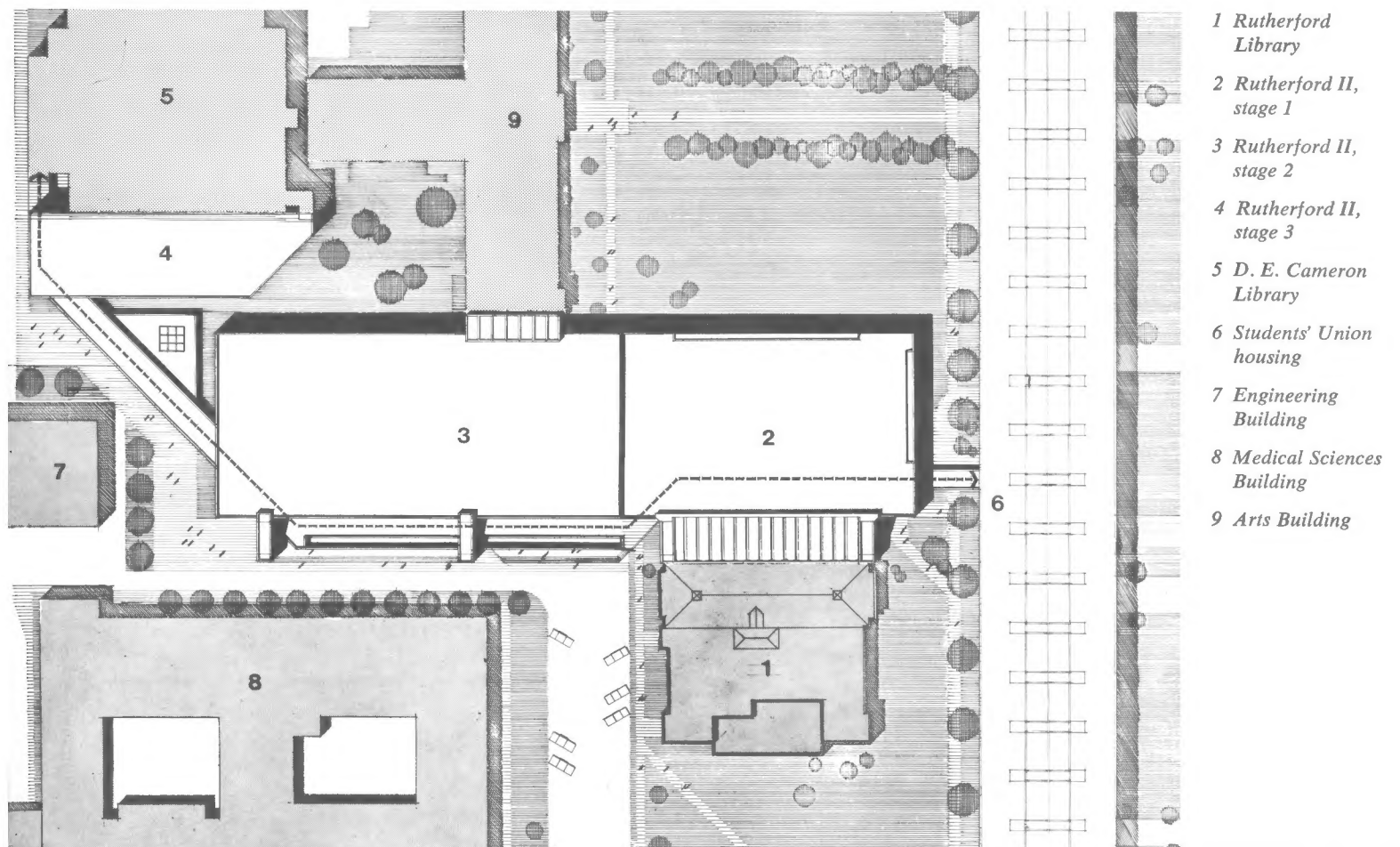
Grade level: temporary space for book stacks until subsequent stages of the library are built.

Basement: mechanical equipment and caretaker facilities.



ABOVE, the ground floor of Rutherford Library II, stage 1. BELOW, plans for future library development. Stages 2 and 3 of the library

will add more space for book stacks and reader areas and will link the present Rutherford Library to the Cameron Library.



(from page five) cellist in The University String Quartet, recently appeared as guest teacher at the Kato Havas Summer School in Dorset, England. With BRIAN HARRIS, Lecturer in the Department of Music, Professor Kenneson presented several concerts for the Purbeck Festival of Music in aid of Oxfam.

■ D. QUON, Professor of Chemical and Petroleum Engineering, presented a paper at the 1970 Australian Chemical Engineering Conference which was held in Melbourne in August. The paper was entitled "Optimal Operation of a Chemical Process in the Face of Uncertainty."

■ F. A. SEYER, Associate Professor of Chemical and Petroleum Engineering, attended the International Hydro-Mechanics Conference held in Coventry, England, on September 2 to 4.

INTEGRATION OF EVENING CREDIT PROGRAM

Some of the implications of the integration of the Evening Credit Program with the daytime program as approved by the General Faculties Council on June 29 are presented in the following statement prepared by S. C. T. CLARKE, Director, Summer Session and Evening Credit Program.

The December 11, 1969, issue of FOLIO contained a brief prepared by the Summer Session and Evening Credit Program Committee of the General Faculties Council. The brief recommended that "commencing in the 1971-72 session, on-campus late afternoon and evening credit courses be integrated into the general operation of The University of Alberta so that such courses would become the responsibility of faculties and schools."

The June 29 meeting of the General Faculties Council approved this recommendation after adding the following amendment: "subject to the provision of adequate financing by the Board of Governors."

The amended recommendation was considered by the Executive Committee of the Board of Governors at its meeting of August 7 and was approved. Integration of on-campus late afternoon and evening credit courses commencing with the fall 1971 term is now a fact.

At present, evening credit courses on campus usually are offered in a three hour block (6:30 to 9:30 p.m., for example) once a week, although laboratory and some other courses are offered in two blocks. Regular daytime students who have already paid full fees are required to pay the additional fee (\$135 per course in Arts, Education, or Science) if

they enrol in an evening credit course. Instructors receive an honorarium additional to their regular salary (\$1,725 for a full course) for instruction additional to their regular load. Departments at present cannot count instruction offered in the Evening Credit Program for purposes of staffing.

Integration will change many of these features of on-campus late afternoon and evening courses. Perhaps one will remain the same: courses scheduled in the evening will be offered in one or two blocks of time. Regular daytime students will not be required to pay an additional fee to enroll in courses offered in the evening. Late afternoon and evening courses, made available for partial students, will be available to regular students without the penalty of an additional fee. How many regular students will want to enrol in late afternoon and evening courses is a matter of conjecture. A survey was made of the University of British Columbia, University of Saskatchewan (Saskatoon Campus and Regina Campus), University of Manitoba, York University, University of Western Ontario, McMaster University, University of Toronto, and Sir George Williams University. The result, reported to the Summer Session and Evening Credit Program Committee, was that no institution contacted was particularly bothered by day students flooding into evening credit courses despite the fact that few if any charge an extra fee.

With integration, instruction in courses offered in the late afternoon and evening will not be an extra to a professor's regular load, but will be an integrated part of it. There will not be an additional honorarium. Staffing may be accomplished by *preference*, in that some professors may wish to complete a week of class meetings in one block, or may prefer the more mature students who enrol as partial students. It may be accomplished by rotation. It could be a condition of employment for new staff, for the first year or two, provided they accepted employment on this basis. Some deans and department chairmen anticipate no difficulties in staffing; others do.

Integration will permit departments to count instruction in late afternoon and evening courses in staffing, and so plan a total program. For example, if a department in fact had been providing instructors for three Evening Credit Program courses, and if three courses were considered a professorial load in that department, and the department was planning to continue into 1971-72 its customary offering, then it would be entitled to an additional staff member. The office of the Vice-President for Finance and Administration already has advised all deans, directors, and department

chairmen to budget now for staffing late afternoon and evening courses in 1971-72.

With integration, late afternoon and evening courses can be planned by departments, schools and faculties as one unified operation as contrasted with the present artificial administrative division. The University has a year to prepare for the integration of on-campus late afternoon and evening credit courses with the regular daytime offerings. The end result should be better university service to the students and the public.

SPEECH AND HEARING CONVENTION

The Canadian Speech and Hearing Association will hold its annual convention in Edmonton from October 22 to 24 at the Glenrose Hospital, in conjunction with the Speech and Hearing Association of Alberta.

Research, diagnostics, therapy, and education of speech pathologists and audiologists will be discussed by speakers from the fields of speech pathology and audiology, psychology, education, medicine, and social work. Short courses will be given on the "Social Psychology of Stuttering" by JOSEPH SHEEHAN, Professor of Psychology at the University of California at Los Angeles, and on aspects of clinical audiology by GERALD A. STUDEBAKER of the University of Oklahoma Medical Centre.

KENNETH H. GOUGH, Associate Professor of Rehabilitation Medicine and Chairman of the Division of Speech Pathology and Audiology, and G. DAVID ZINK, Assistant Professor in the Division, will be presenting papers and participating in the convention program.

DICKENS CENTENNIAL CONFERENCE

The English Department is sponsoring a conference on October 1 and 2 in the theatre of the Students' Union Building to celebrate the Dickens centennial. Some of the world's best Dickens scholars will be speaking, including JOHN M. ROBSON, University of Toronto, PHILIP COLLINS, University of Leicester, J. HILLIS MILLER, Johns Hopkins University, IAN WATT, Stanford University, SYLVRE MONOD, The Sorbonne, and STEVEN MARCUS, Columbia University. The meetings will take place Thursday and Friday, October 1 and 2, in the Students' Union Building Theatre.

NOTICES

PROFESSIONAL EXPENSE ALLOWANCE

The new Professional Expense Allowance which was announced in the June 11 and August 6 issues of FOLIO was approved

by the Board of Governors to be effective from July 1, 1970. Claim forms submitted to the Comptroller at this time must pertain to the academic year ending June 30, 1971, and the expenditures involved must have been paid in, or relate to, the academic year 1970-71.

CREATIVE DANCE CLASSES

Dance classes for children and parents will be held Saturday, September 26, through to Saturday, December 5, in the Dance Studio, Physical Education Building. The times will be:

Children		
Age	Time	Fee
5-6	9 to 9:30 a.m.	\$5
5-6	9:30 to 10 a.m.	\$5
7-9	10 to 10:45 a.m.	\$6
10-13	Boys, 10:45 to 11:30 a.m.	\$6
10-13	Girls, 11:30 to 12:15 a.m.	\$6
Parents		
Class A	9 to 9:45 a.m.	\$5
Class B	10 to 10:45 a.m.	\$5
Class C	11 to 11:45 a.m.	\$5

Location of the parents' classes will be announced. For registration details, phone 432-3652.

THEORY AND PRACTICE OF PHYSICAL FITNESS IN MEN

This fall the Department of Extension is offering a course in the Theory and Practice of Physical Fitness in Men beginning October 19.

G. M. ELLIOTT, Assistant Professor of Physical Education, will be conducting the course which is designed for professional men who are interested in taking part in supervised physical exercise and in understanding the requirements for their own physical well being.

The aim of the course is to introduce men to various ways of keeping fit. The minimum age is 30. All participants must provide their own dress, consisting of T-shirts, shorts, and running shoes.

The course will meet for 30 Mondays and Wednesdays from 7:30 to 9 p.m. The fee is \$60.

Registrations are being accepted now at the Department of Extension, 82 Avenue and 112 Street.

CHILDREN'S GYMNASTICS

The Faculty of Physical Education is offering a series of gymnastics classes for faculty children, to be held Saturday mornings in the New Physical Education Building. There will be ten sessions, from October 3 to December 5, for a fee of \$5 per child. Times will be:

- 6 and 7 years—9 to 10 a.m.
- 8 and 9 years—10 to 11 a.m.
- 10 to 12 years—11 a.m. to 12 noon

Application forms are available from G. M. ELLIOTT (432-5505), Faculty of Physical Education, The University of Alberta.

PHILOSOPHY CLUB

CHARLES GRADY MORGAN, Assistant Professor of Philosophy, will address the Philosophy Club at 3:30 p.m. on Thursday, September 24, in Tory 13-15. His topic will be "Truth, Falsehood and Contingency in Certain Formal Languages."

AASUA MEETING

A general meeting of the AASUA will be held Monday, September 28 (not Tuesday as previously announced), in PC 126, Physics Building, at 8 p.m. Business will include the Insurance Report, Handbook revision, developments in salary discussions since last meeting, and a preliminary report of a commission to study relations between the AASUA and the Board of Governors.

FACULTY CURLING

Staff wishing to participate in the Faculty Curling League should attend a meeting in the Faculty Club on Monday, September 28, at 4:30 p.m. Draw times this season will be 5, 7, and 9 p.m. on Thursdays.

EDMONTON FILM SOCIETY

The Edmonton Film Society will present three series this year. The Main Series, on Monday evenings, begins October 5 with *Adalen 31* by BO WIDENBERG, and will include films by GODARD, TRUFFAUT, POLANSKY, and KOBAYASHI. The Classics Series, also on Monday evenings, features American films of the twenties and forties. The third series is yet to be announced. Tickets are available at the Box Office in The Bay, the Students' Union Building, and the Extension Department.

CO-OPERATIVE HOUSING

Sturgeon Valley Housing Co-operative hopes to provide a housing community that people can plan themselves. Work is in progress on plans for the development of a 100-acre site in St. Albert.

This project could provide many University staff and students a desirable place to live for a reasonable sum. For information, write to Suite B, 16425 - 89 Avenue.

POSITIONS VACANT

ADMINISTRATIVE AND PROFESSIONAL OFFICERS

ADMINISTRATIVE OFFICER, Department of Industrial and Vocational Education. *Qualifications*—Applicants should be graduates in Commerce or Business Administration with experience in inventory control and program planning and budgeting systems. *Apply* to the Department of Industrial and Vocational Education.

NON-ACADEMIC STAFF

Applicants are sought for the following positions. The Personnel Office (Room 121, Administration Building) will provide further details to interested persons, who are asked not to approach the departments directly.

Purchasing Clerk (P/T) (Open)—Chemistry Clerk (\$261-\$302)—Student Health Services Clerk Typist I (\$261-\$302)—Law, Bookstore, Geography, Graduate Studies Clerk Typist II (\$302-\$368)—Comptroller's Office, Anthropology, School of Nursing, Comptroller's Office—Pensions, Botany Clerk Steno I (\$274-\$333)—Food Science Clerk Steno II (\$317-\$386)—Dentistry, Pharmacology, Mathematics, Agriculture Economics, Business Administration and Commerce Clerk Steno III (\$368-\$447)—Comptroller's Office Research and Planning Analyst II (\$470-\$571)—Institutional Research & Planning Assistant Analyst (\$693-\$843)—Administrative Data Processing 1500 Operator Proctor (Open)—Division of Educational Research Audio Visual Technician II (\$543-\$660)—Sociology Administrative Assistant—Audio Visual Media Centre—(\$629-\$764) Dental Equipment Repair (\$571-\$693)—Dentistry Biochemistry Technician I (\$470-\$571)—Surgical Medical Research Electronics Technician I (\$492-\$599)—Electrical Engineering Specialist Technician (Laser) (Open)—Electrical Engineering Bacteriology Technologist I (\$470-\$571)—Medical Bacteriology Pathology Technologist I (\$470-\$571)—Pathology Pathology Technologist II (\$543-\$660)—Provincial Laboratory

PERSONAL NOTICES

Notices must reach the Editor by 9 a.m. the Friday prior to publication. They must be typed, and not exceed 35 words including heading.

FOR SALE—Sofa, chair, coffee table, 3-piece dinette suite. 432-3844 (days).

FOR SALE—Two Dynaco speakers, perfect condition. \$150 for the pair. Also Goodmans transistorized stereo amplifier with teak enclosure, extremely compact, \$50. 432-4710 or 434-6188.

FOR SALE—1968 Volkswagen Deluxe. Excellent condition. 433-5643 evenings or weekends.

FOR SALE—Saint Bernard pups, champion pedigree stock. Ready approximately September 20. 432-3408, or 484-8916 after 5:30 p.m.

FOR SALE—1969 Firebird, overhead cam. Like new. \$2,950. Owner transferred. 439-8595.

FOR SALE—1966 Volvo 1225 station wagon. Good condition. Must sell, leaving country. John Moss, 432-3504 or 439-1892 (evenings).

WANTED—Secretary to work part-time (10-15 hours per week) for the University Chaplains (Anglican, United, Lutheran). Pay to be determined in consultation with Chaplains. 432-4620, 433-8504, or write to Rev. John Simons, Room 158D Students' Union Building.

WANTED—To form carpool to share driving from Northgate area to University and back. 432-4004 or 476-6413. Ask for Jeff Williams.

FOR SALE—Two bedroom bungalow. Large fenced lot. Garage. Allendale. \$15,000. 434-9043.

FOR SALE—Home facing park on quiet crescent within walking distance of University. 3 bedrooms, den, 2 bathrooms, large rumpus room, double garage. Beautiful grounds, rock garden, lighted patio. Call Brian Hinds, 433-6486 or 488-3630.

FOR RENT—Large and comfortable basement in Belgravia area close to University. Garage, bathroom. Call before end of September, 439-3672 (evenings).

FOR RENT—Furnished house in choice location near Groat Road. Available about November 24, 1970 to October 31, 1971. 3 bedrooms, living and dining rooms, den, heated double garage. Couple without children preferred. 488-1758.

FOR SALE—Pool table 4'x8' complete with coloured balls, 4 cues and playing surface cover. Excellent condition. \$85. Telephone 434-2377.

FOR SALE—Westinghouse Electric Range. 24" wide, 4 burner, storage drawer. Excellent condition. \$95. 434-0853, between 5:30 & 7:30 p.m.

FOR SALE—1965 Austin 1100, grey, four door, \$530. 8606 108 St. 439-4815.

FOR SALE—1964 Hillman sedan. 42,000 miles, one owner. Dr. Evett, 432-3772.

FOR SALE—Airconditioned 1969 Ford Fairlane 500, many extras, only 5,000 miles, Immaculate, Offers? Other miscellaneous household, kitchen, and baby items. Phone 432-7056.

PIANO—Will store piano for the use of same. Phone 434-1746.

WANTED TO RENT—Unfurnished 4-bedroom house with stove and refrigerator. University area. October 1, 1970. 465-3263, after 5:30 p.m.

FOR RENT—Sherbrooke, 12 mins from University. Completely furnished 1-bedroom suite, stereo, TV, utilities except phone, use of washer, dryer, deepfreeze. Shared accommodation O.K. Phone Kay 4758.

FOR RENT—1960 Rambler, adequate for staff member requiring an additional car until spring. 439-3861, after 6:00 p.m.

WANTED TO RENT—University Professor wants 2-3 bedroom house in University area. 433-4814.

WANTED TO RENT—3-4 bedroom house, furnished, South side preferably Lendrum/Lansdowne area, one year lease or longer. Call Dr. J. B. Biggs 3692 (local) or 434-4406.

WANTED TO RENT—2 or 3 bedroom house, preferably South side. Call Desmond Grant, care of Dept. of Ophthalmology, 2-129, Clinical Sciences Bldg. Tel. 432-6641.

FOR HIRE—Reliable Indian guide will help motorist find parking spot unwatched by C.C. Bring own supplies, this eight day journey.

FOR SALE—Deluxe crib (fruitwood) and mattress with bumper set. \$40.; Gold rug, 6 x 9, \$25.; Stroller \$25. Call 434-6629.

FOR SALE—17" B&W Philco T.V. and stand. New (Oct. 1969)—\$175; asking \$115. 433-8993 evenings.

FOR SALE—1963 Rambler, classic 660, four door, standard, good condition, low mileage. 432-5711.

FOR SALE—1968 Dodge Monaco 500 Convertible V-8, Power Steering & Brakes. \$2,300, or nearest offer. Contact 432-3731—work, Home 477-6985. Ask for Al.

FOR SALE—Snow Tires, Size 650/13 Whitewalls. Almost new. First line quality. Cost \$50 for pair. Sell for \$25. 433-0951 evenings.

PIANO—Theory, history, and ear training instruction. University district. Mrs. Ellen Stirling, 105-10621 79 Avenue. 432-7895.

FOR SALE—1961 Chev. Belair, 4-door sedan, V-8, automatic, power steering, tinted windows, 6 tires and rims (2 studded). transistorized radio. Good reliable transportation. \$400. Phone 432-4030 (between 9 a.m. and 3 p.m.).

FOR SALE—House—Windsor Park—Large living, small dining, den, bedroom & kitchen, main. 2 bedrooms ---2nd floor, 3 rooms basement. Ph. 439-6948 after 5 p.m.

FOR SALE—1968 Austin Mini Mk. 11 1000. Excellent condition. Phone 488-5189 after 5:00.

FOR SALE—Home made 4'x8'x4' high wooden utility trailer. Waterproof metal roof, good condition. \$150 or best offer. No. 435-2154.

FOR SALE—Men's ski boots and skates, size 9. Also clothing, Michelin radial tires (nearly new) size 165/15, roof rack and miscellaneous items. Phone 488-5172 after 5 p.m.

FOR SALE—Snowblower, T.V., Sewing Machine, Art Supplies, Dishes, Linens, Educational Toys, Kitchen Appliances, Lamps, Chairs, Stools, Sleeping Bags, etc. After 5:00 p.m. 439-0252.

The University of Alberta Senate INVITES SUBMISSIONS

The Senate of The University of Alberta will hold its regular Fall meeting on October 30, 1970. ☐ It is the duty of the Senate to inquire into any matter that might tend to enhance the usefulness of the University. ☐ Individuals or groups wishing to make submissions to the Senate for consideration at its spring meeting should direct them to Mr. A. D. Cairns, Secretary of the Senate, The University of Alberta, Edmonton, Alberta, **not later than September 28, 1970**. Submissions will then be passed to appropriate Senate committees for preliminary study prior to the meeting of the Senate. ☐ Persons wishing to appear before the Senate in support of their submissions, or to attend the meeting as spectators, should advise Mr. Cairns.

This advertisement is appearing this week in newspapers throughout Alberta.

THIS WEEK AND NEXT

25 SEPTEMBER, FRIDAY

Student Cinema 7 and 9:30 p.m. *Dr. Zhivago*, with JULIE CHRISTIE and OMAR SHARIF. Students' Union Theatre.

27 SEPTEMBER, SUNDAY

Student Cinema 7 and 9:30 p.m. *Oh! What a Lovely War*, with LAWRENCE OLIVIER. Students' Union Theatre.

28 SEPTEMBER, MONDAY

Colloquium—Computing Science 4 p.m. L. EASTON, Department of Computing Science. "Picture Grammars and Computer Graphics Software." Room 611, General Services Building.

A.A.S.U.A. 8 p.m. General meeting. Physics Building, room PC 126.

Lecture 8:30 p.m. E. L. STAHL, Visiting Professor at the University of California, Davis. "Goethe's Sonnets." Sponsored by the Department of Germanic Languages. Henry Marshall Tory Building, room L-11.

30 SEPTEMBER, WEDNESDAY

Colloquium—Computing Science 4 p.m. K. V. WILSON, Professor of Computing Science. "Context Sensitivity and Artificial Intelligence." Room 611, General Services Building.

Citadel Theatre Until October 28—evenings 8:30, Sunday 7:30 (no performance Mondays). *The Importance of Being Earnest*, by Oscar Wilde. Special student's subscription—seven plays for \$7—Saturdays and Sundays.

1 OCTOBER, THURSDAY

Dickens Centennial Conference Sponsored by the Department of English, The University of Alberta. All meetings held in Students' Union Theatre.

10 a.m. JOHN M. ROBSON (University of Toronto). "Our Mutual Friend: a Rhetorical Approach."

11:30 a.m. P. A. W. COLLINS (University of Leicester). "Dickens' Public Readings: the Performer and the Novelist."

2:30 p.m. J. HILLIS MILLER (The Johns Hopkins University). "Interpretation in *Bleak House*."

8:30 p.m. Readings from Dickens by P. A. W. COLLINS; a dramatic performance.

2 OCTOBER, FRIDAY

Dickens Centennial Conference 9:30 a.m. IAN WATT (Stanford University). "Oral Dickens."

11 a.m. SYLVRE MONOD (Sorbonne). "Confessions of an Unrepentant Chesteronian."

2 p.m. STEVE MARCUS (Columbia University). (Title to be announced).

3:30 p.m. Panel discussion with all speakers. Moderator: R. G. BALDWIN, Chairman, Department of English.

3 OCTOBER, SATURDAY

Edmonton Symphony Society 8:30 p.m., and Sunday at 3 p.m. First concert of the series. HUGUETTE TOURANGEAU, mezzo-soprano, guest artist. Jubilee Auditorium. Box office in the Bay; half-price season subscriptions for students.

5 OCTOBER, MONDAY

Edmonton Film Society *Adalen 31*. BO WIDENBERG's film relates the story of a family during the labor riots in Adalen in 1931. Jubilee Auditorium. Tickets available at Students' Union Building; students, \$8 for the series.

Theatre 8:30 p.m. "Amphitryon," by Heinrich von Kleist, performed by *Die Brücke*, a German overseas ensemble. Tickets, \$3:50 (students, \$1.50). Students' Union Theatre.

8 OCTOBER, THURSDAY

Lecture 3:30 p.m. JASON XENAKIS, Visiting Professor of Philosophy, will address the Philosophy Club. "Suicide and Theory in Stoicism." Henry Marshall Tory Building, room 13-15.

EXHIBITIONS

SUB Art Gallery Until October 15, "Dennis Burton: Paintings." (The Isaacs Gallery in Toronto).

Edmonton Art Gallery Until September 30, "Extensions: Photographs."

Until October 28, "William Kurelak Retrospective."

October 1 to 30, "Eskimo Exhibition: Unaaq and Pangnark." (National Museum of Man)

October 8 to November 1. "Harry Savage."

Tropical Displayhouse In bloom are the bromeliads, the bloodflower (*Haemanthus*), junglegeranium (*Ixora*), gingerlily (*Hedycium*), flamingo flower (*Anthurium*), lipstick plant (*Aeschynanthus*), and chenille plant (*Acalypha*). Fruit is forming on the citrus tree, the pomegranate, the split leaf philodendron, and the banana tree.

Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred. Compiled by NORMA GUTTERIDGE, 432-4991.